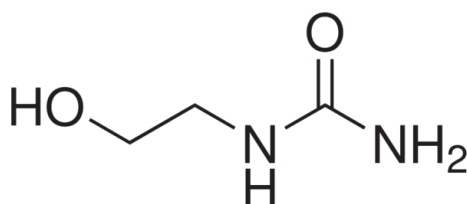




Hydroxyethyl Urea

Name: Hydroxyethyl Urea
Chemical name: N-(hydroxyethyl)-Urea
CAS number: 2078-71-9 / 1320-51-0
EINECS No.: 215-304-0
Molecular formula: $C_3H_8N_2O_2$
Molecular Weight: 104.11
Chemical Structure:



Physical/Chemical characteristics

Appearance: white crystals
Odor: odorless
Bulk density: 0.6g/mL
Melting point: 92-96 °C
Solubility: 260g/100g water, 25 °C

Product specification

Assay: min 98.0% d.s.
pH(10% solution): 6.0-10.0
Loss on dry: max 1.0%
Heavy metals: max 0.001%

*Only selected data is represented here, for a full set of specifications we refer to our Specifications sheet.

Description

Hydroxyethyl Urea is characterized by its high purity, processability, and stability, as well as its superior humectant effects in cosmetics and

toiletries. It can offer non-tacky, non-greasy feeling and reduce the use of glycerin and siloxane in the formula. Due to excellent moisturizing effects, it can penetrate the corneous layer, increase skin moisture content, relieve dryness, fill fine lines; and through the natural way to keep the water, not only can provide excellent moisturizing effect, increase the elasticity of the skin, improve product feel, do not affect its viscosity, also it can improve the stability of emulsion system in cold condition.

Potential benefits

- Long term moisturization
- Non-tacky, non-greasy feeling
- Excellent aesthetics
- Nonionic-broad compatibility
- Broad compatibility

Usage

Hydroxyethyl Urea can be compatible with all kinds of raw materials, low irritation to eyes, widely used in personal care products for moisturizing agent, including cream, lotion, firming lotion, facial mask; bath products; shampoo, hair conditioner, styling products; cleansing products and soap, etc.

Recommended dosage: 1% - 10%.

It can directly add into water, easy to mix in the formula, and in the wide range of PH value.

Stability

In solid form it stable and shows no decomposition. It also stable in weak alkaline or acidic conditions, and suggested pH range of final formulations: 5~8.

Safety and Regulatory

Complies with European, United States, Canada, Australia/New Zealand, Korea, China, Japan, Brazil and Taiwan cosmetic regulations for use in general cosmetics.

Shelf life

Two year from date of manufacture when stored in original packaging.

Storage conditions

Store in the original sealed container in a cool and dry place out of direct sunlight.

Packaging

25kg fiber drums with two polyethylene inner bag or as per your request.

Further information

The tolerances are given in the product specification sheet. Further safety information is provided in our Material Safety Data Sheet.



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